

### Cardio Laplacian - Gaussian

#### L2 - Centering - Normalizing

Outcome Dict: {'config': {'laplacian': [[0.4, 0.9, 0.4], [0.4, 0.9, 0.4], [0.9, 0.9, 0.4]], 'gaussian': [[1, 1, 0.5], [1, 0.5, 0.5], [0.5, 1, 1]]}, 'CA': (0.03306303924104954, 1.1979950892128805e-08), 'Accuracy': (0.5441536259982459, 5.314974057938736e-05), 'Precision': (0.3671488308585083, 9.813724738791748e-05), 'Recall': (0.5040160642570282, 0.0005161207077305203), 'eta': (array([ 0.31206706, -0.0261703, 0.91721494, -0.09476354, 0.06263374, -0.05339486]), array([3.13864291e-02, 1.04264399e-02, 2.43273301e-03, 8.30606278e-05, 3.54427141e-04, 2.08795721e-04])), 'lambda': 0.7}

### Cardio Laplacian - Gaussian

#### L2 - Centering - K Normalizing

Outcome Dict: {'config': {'laplacian': [[0.4, 0.9, 0.4], [0.4, 0.9, 0.4], [0.4, 0.9, 0.4]], 'gaussian': [[0.5, 1, 0.5], [1, 0.5, 0.5], [1, 1, 1]]}, 'CA': (0.031944229666407815, 5.004531388652372e-07), 'Accuracy': (0.5079859668559294, 2.6980640011966607e-05), 'Precision': (0.641388343156516, 0.07698198203993689), 'Recall': (0.34738955823293166, 0.20906114417509394), 'eta': (array([ 0.35269495, -0.06074897, 0.91427912, -0.08711959, 0.07091842, -0.05593124]), array([0.0137583, 0.00380604, 0.00168078, 0.0002784, 0.000388, 0.00035047])), 'lambda': 1.3}

### Cardio Polynomial - Gaussian

#### L2 - Centering - K Normalizing

Outcome Dict: {'config': {'polynomial': [[2, 2, 2], [2, 2, 7], [2, 2, 2]], 'gaussian': [[0.3, 0.3, 0.3], [0.3, 0.3, 0.6], [0.3, 0.3, 0.3]]}, 'CA': (0.022328524605698608, 3.260729367471439e-06), 'Accuracy': (0.501823385496007, 4.1878818140261093e-07), 'Precision': (0.3237603952912101, 8.241225222597889e-08), 'Recall': (0.9959839357429718, 8.064386058289284e-06), 'eta': (array([ 0.04401888, 0.04456881, 0.92699801, 0.04508544, 0.18016194, -0.00997541]), array([9.12350123e-05, 5.91409948e-05, 9.41659527e-03, 5.02139237e-05, 9.20794515e-02, 4.63485586e-04])), 'lambda': 0.9}

### Cardio Laplacian - Gaussian

#### L1 - Centering - Normalizing

Outcome Dict: {'config': {'laplacian': [[0.4, 0.4, 0.9], [0.4, 0.4, 0.9], [0.4, 0.4, 0.4]], 'gaussian': [[0.5, 1, 0.5], [0.5, 1, 1], [0.5, 0.5, 0.5]]}, 'CA': (0.02334311541845274, 1.2636328743224543e-07), 'Accuracy': (0.5729238794257491, 5.04248538910432e-05), 'Precision': (0.3830536206475272, 4.592908599699039e-05), 'Recall': (0.6305220883534136, 0.00012903017693262976), 'eta': (array([ 4.55410318e-01, 8.90260537e-01, -5.45048437e-05, 1.27241716e-03, 3.51579027e-03, 4.21030769e-03]), array([2.51929686e-06, 6.57906664e-07, 7.88826252e-09, 2.71592257e-08, 7.76110317e-07, 1.92086621e-06])), 'lambda': 0.9}

### Cardio Sigmoid - Gaussian

#### L1 - Centering - Normalizing

Outcome Dict: {'config': {'sigmoid': [[0.6, 0.6, 0.6], [0.6, 0.2, 0.2], [0.6, 0.2, 0.2]], 'gaussian': [[0.3, 0.6, 0.3], [0.3, 0.3, 0.3], [0.3, 0.3, 0.3]]}, 'CA': (0.022183244045957704, 6.028635709554533e-06), 'Accuracy': (0.6004823893274246, 0.00028105894355767036), 'Precision': (0.40665723165723167, 0.00023922761726624534), 'Recall': (0.6626506024096386, 0.00021773842357381337), 'eta': (array([6.05617312e-01, 7.95728021e-01, 8.97417919e-04, 4.23147938e-03, 6.69598144e-04, 2.32340299e-03]), array([4.78388178e-07, 2.65487668e-07, 2.02152765e-07, 1.87659291e-05, 1.94275384e-07, 1.24046053e-07])), 'lambda': 0.9}

Outcome Dict: {'config': {'sigmoid': [[0.9, 0.4, 0.9], [0.9, 0.9, 0.9], [0.9, 0.9, 0.4]], 'gaussian': [[0.5, 1, 0.5], [0.5, 1, 1], [0.5, 0.5, 1]]}, 'CA': (0.022219664313685775, 5.882281896552426e-06), 'Accuracy': (0.6015325670498085, 0.0003525164999267218), 'Precision': (0.4072191226342851, 0.00030576103527565565), 'Recall': (0.6666666666666666, 0.00022580280963210267), 'eta': (array([7.14451123e-01, 6.99675557e-01, 7.12101486e-04, -3.25701587e-04, 1.00673321e-03, 2.94298921e-03]), array([1.44407955e-06, 1.50482978e-06, 1.11332257e-07, 1.89679416e-07, 1.17468848e-07, 5.21746646e-08])), 'lambda': 0.9}

#### Cardio Laplacian - Gaussian

##### L1 - Centering - K Normalizing

Outcome Dict: {'config': {'laplacian': [[0.6, 0.2, 0.2], [0.6, 0.2, 0.2], [0.6, 0.2, 0.2]], 'gaussian': [[0.6, 0.3, 0.3], [0.6, 0.3, 0.3], [0.6, 0.3, 0.3]]}, 'CA': (0.031249748147111487, 7.757511497818024e-07), 'Accuracy': (0.5403972210681808, 0.000757162173145793), 'Precision': (0.34691784040151913, 0.0002767854144723802), 'Recall': (0.8614457831325302, 0.004161223206077319), 'eta': (array([0.63965744, 0.54264442, 0.54363656, 0.02185183, 0.00287726, 0.00204189]), array([5.35311053e-06, 1.49678080e-04, 1.88882811e-04, 3.08696021e-07, 1.78576208e-07, 3.35441216e-07])), 'lambda': 0.5}